SENSOR ARRAY INDUCED PHASE ANGLE CALCULATION BASED ON MIXED SIGNALS

ABSTRACT

A sensor array employs a parameter to induce a time-varying phase angle φ on an

5   optical signal that comprises a phase generated carrier based on a single frequency.   The

time-varying phase angle φ is calculated through employment of a plurality of samples

obtained approximately at a time t_s, where the plurality of samples are based on a plurality of

mixed signals output from a mixer component that employs an input signal based on the

optical signal of the sensory array.